BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

KODIGEHALLI SUB DIVISOIN

Name of the Work : **Improvements of Roads drains and culverts in Main Roads and Cross Roads in Hottappa Layout.**

Estimate Cost : **18.00 Lakhs**

Job Code : **007-12-000056**

Roads and Cross Roads in Hottappa layout in ward no. 7
Kodigehalli sub division ರ ಅಂದಾಜು ಪಟ್ಟಿ ಮಂಜೂರಾತಿ ಕೋರಿ
ಅಂದಾಜು ಮೊತ್ತ:– 18.00 ಲಕ್ಷಗಳು, ವರ್ಕ್ ಕೋಡ್: 007-12-000056

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ಮೇಲಿನ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ 2012–13ನೇ ಸಾಲಿನ ಪಿ.ಒ.ಡಬ್ಲ್ಯೂ. ಯೋಜನೆಯಡಿಯಲ್ಲಿ ಈ ಕಾಮಗಾರಿಯು ಅನುಮೋದನೆಗೊಂಡಿದ್ದು, ಸದರಿ ಕಾಮಗಾರಿಗೆ ಸ್ಥಳ ಪರಿವೀಕ್ಷಣೆ ಮಾಡಿ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು 2011–12ನೇ ಸಾಲಿನ ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ ದರದ ಆಧಾರದ ಮೇಲೆ ಈ ಕೆಳಗಿನ ಐಟಂಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ. ಅಂದಾಜು ಪಟ್ಟಿಯಲ್ಲಿ ರಸ್ತೆಯ ಅಭಿವೃದ್ಧಿಗಾಗಿ ಈ ಕೆಳಗಿನ ಐಟಂಗಳನ್ನು ಅವಶ್ಯಕತೆಗೆ ಅನುಗುಣವಾಗಿ ಅಳವಡಿಸಿಕೊಳ್ಳಲಾಗಿರುತ್ತದೆ.

1) Earth work excavation
2) Removing of BS slab
3) Desilting
4) Refixing of BS slab
5) PCC plain cement concrete
6) granite size stone masonry
7) RCC Reinforced
8) Centering, Steel
9) Providing New Granite slab and
10) Cleaing of existing WBM layer
11) Applying tack coat
12) Asphalting (SDBC)
13) Desposale of Debris

ಈ ಮೇಲ್ಕಂಡ ಅಂಶಗಳನ್ನು ಕಾಮಗಾರಿ ನಿರ್ವಹಿಸಲು ಬೇಕಾದ ಐಟಂಗಳನ್ನು ನಿಗಧಿಪಡಿಸಿಕೊಂಡು ಅಂದಾಜುಪಟ್ಟಿಯನ್ನು ರೂ. 18.00 ಲಕ್ಷ ರೂಗಳಿಗೆ ತಯಾರಿಸಲಾಗಿದೆ. ಈಗಾಗಲೇ ಕಾಮಗಾರಿಗಳಿಗೆ Job Code ದೊರೆತಿದ್ದು, ಅಂದಾಜು ಪಟ್ಟಿ ಮಂಜೂರಾತಿ ಪಡೆದು ಆಡಳಿತ/ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ಪ್ರಕ್ರಿಯೆ ಜರೂರಾಗಿರುವುದರಿಂದ ಅಂದಾಜು ಪಟ್ಟಿ ಮಂಜೂರಾತಿಗಾಗಿ ಹಾಗೂ ಮುಂದಿನ ಸೂಕ್ತ ಕ್ರಮಕ್ಕಾಗಿ ಕಡತದೊಂದಿಗೆ ಸಲ್ಲಿಸಿದೆ.

ಕಿರಿಯ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ. 7

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೊಡಿಗೇಹಳ್ಳಿ ಉಪವಿಭಾಗ

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

NAME OF WORK:- ***IMPROVEMENTS OF ROADS, DRAINS AND CULVERTS IN MAIN ROADS AND CROSS ROADS IN HOTTAPP LAYOUT IN WARD NO. 07.KODIGEHALLI SUB DIVISION.***

ESTIMATED COST **1800000.00**

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate in Rs	Amount in Rs
1	KSRRB M300-2: Earth work excavation by manual means in Ordinary Soil involving an average horizontal throw up to 2mts and an average lift up to 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3.								
	(P.No.149, I.No.19.1 of PW,P&IWTD S.R 2011-12)								
	For removing of silt in Existing drain	Cum							
	Cross Roads		6 X 2	101.00	0.40	0.45	218.16		
	Main Roads		2 X 2	200.00	0.40	0.45	144.00		
			4	400.00	0.40	0.45	288.00		
							650.16	62.86	**40866.00**
	Basic Rate Rs. 58.20								
	Add 8% A.W Rs. 4.66								
	Total Rate Rs. 62.86								
2	Removing BS Slab of drain and stacking.								
	(P.No.28, I.No.5.32 of PW,P&IWTD S.R 2011-12)	Sqm							
	For Existing drain sides								
			6 X 2	101.00	1.35	--	1636.20		
			2 X 2	200.00	1.35		1080.00		
			2	250.00	1.35		675.00		
							3391.20	47.52	**161149.82**
	Basic Rate Rs. 44.00								
	Add 8% A.W Rs. 3.52								
	Total Rate Rs. 47.52								
3	Refixing stone slabs of drains and pointing in CM 1:3.								
	(P.No.28, I.No. 5.33 of PW,P&IWTD S.R 2011-12)								
	Qty Same as I.No.2	Sqm	--	--	--	--	**2373.84**	59.40	**141006.00**
	Basic Rate Rs. 55.00								
	Add 8% A.W Rs. 4.40								
	Total Rate Rs. 59.40								
4	KSRB 2-2.1: Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specification. (Page No.5 item No.2.3)								
	Culvert	Cum	10	7.00	2.00	1.20	168.00		
							168.00	144.72	**24313.00**
	Basic Rate Rs. 134.00								
	Add 8% A.W Rs. 10.72								
	Total Rate Rs. 144.72								
5	Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								

	(P.No.12, I.No.4.3 of PW,P&IWTD S.R 2011-12)								
		Cum							
	Culverts		10	7.00	2.00	0.15	21.00		
							21.00	3939.41	**82728.00**
	Basic Rate Rs.	3647.60							
	Add 8% A.W Rs.	291.81							
	Total Rate Rs.	**3939.41**							
6	KSRB - 5.2.3: Providing and constructing **granite size stone masornry in foundation cement mortar 1:6**, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m.apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13								
	(P.No.25, I.No.5.6 of PW, P&IWTD SR 2011-12)								
		Cum							
	Culverts		10 X 2	7.00	0.60	1.00	84.00		
							84.00	2827.87	**237541.00**
	Basic Rate Rs.	2618.40							
	Add 8% A.W Rs.	209.47							
	Total Rate Rs.	**2827.87**							
7	KSRB - 15.1.1: Providing flush pointing to square rubble, course or uncoursed stone masonry with **CM 1:3**, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.								
	(P.No.119, I.No.15.1 of PW, P&IWTD SR 2011-12)								
		Sqm							
	Culverts		10 X 2	7.00		1.00	140.00		
							140.00	79.73	**11162.00**
	Basic Rate Rs.	73.82							
	Add 8% A.W Rs.	5.91							
	Total Rate Rs.	**79.73**							
8	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. (7.50cms thick)								
	(P.No.28, I.No.5.31.1 of PW,P&IWTD SR 2011-12.)								
	For BS Slab Drain	Sqm							
	Consider missing qty @ 30% As per I.No.2		30%		--	--	**1017.36**	327.24	**332921.00**
	Basic Rate Rs.	303.00							
	Add 8% A.W Rs.	24.24							
	Total Rate Rs.	**327.24**							
9	KSRB - 4-1.6: Providing and laying in position **plain cement concrete of mix M15** with cement @ 240 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
	(P.No.12, I.No.4.6 of PW, P&IWTD SR 2011-12)								
	Coping		10 X 2	7.00	0.60	0.10	8.40		
	For ramp flogging		4	7.00	0.35	0.20	1.96		
							10.36	4462.34	**46230.00**
	Basic Rate Rs.	4131.80							
	Add 8% A.W Rs.	330.54							
	Total Rate Rs.	**4462.34**							

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10	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC Works laid in 15cms thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3 with all lead and lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed Cement concrete for Beams, Columns Staircase and Roof with M-20 (1:1.5:3) (Cement 320kg/cum) (Page No.19 item No.4.49.1)								
		Cum							
	Culvert		10	7.00	2.00	0.23	32.20		
							32.20	5001.91	**161062.00**
	Basic Rate Rs.	4631.40							
	Add 8% A.W Rs.	370.51							
	Total Rate Rs.	**5001.91**							
11	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc, and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per specifications. Specification No KBS 4.6.2. (Page No.17 item No.4.30)								
	Culvert	Sqm	10	7.00	0.60		42.00		
			10	22.00		0.25	55.00		
							97.00	291.60	**28285.00**
	Basic Rate Rs.	270.00							
	Add 8% A.W Rs.	21.60							
	Total Rate Rs.	**291.60**							
12	KSRB 4.9.2: Providing TMT. Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and /or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, lobour, HOM of machinery complete as per specifications. (Page No. 19 item No.4.46)								
	110% of Qty vide Item No. 17	Qtl		32.20	0.80		25.76		
							25.76	7347.82	**189280.00**
	Basic Rate Rs.	6803.54							
	Add 8% A.W Rs.	544.28							
	Total Rate Rs.	**7347.82**							
13	KSRB 500-1. Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire brushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air, to recieve bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications .(Page No. 171/ Item No. 21.1/ PWD SR 2011-12)								
		Sqm							
			1	220.00	6.50		1430.00		
							1430.00	10.04	14363.00
	Basic Rate Rs.	9.30							14357.0
	Add 8% A.W Rs.	0.74							
	Total Rate Rs.	**10.04**							
14	KSRRB 500-9: providing and applying tack coat on granular base such as WBM and WMM surfaces hot bitumen primed at 4 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface)including cost of all materials, labour, HOM of machineries complete as per specifications. page No. 172/ Item No. 21.9/ PWD SR 2011-12								
		Sqm							
			1	215.00	6.50		1397.50		
							1397.50	26.63	37219.00
	Basic Rate Rs.	24.66							37215.0
	Add 8% A.W Rs.	1.97							
	Total Rate Rs.	**26.63**							

15	KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. -do- 25-30mm compacted thickmess with 5% bitumen 80/100 using 40-60 HMP usinf mechanical paver (Grading-II) No. 174/ Item No. 21.20.5 / PWD SR 2011-12 Basic Rate Rs. 7435.00 Add 8% A.W Rs. 594.80 **Total Rate Rs.** 8029.80	Qtl	1	175.00	6.00	0.025	26.25 26.25	8029.80	210782.00
16	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 5.00 Km (Page No.141) Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00 Average weight of earth 1.28 tonne / kg for 5X1.28X2.00=12.80 PAGE NO.147 Add loading and unloading Vide item no.17.1 P.no.141 Area Weightage @ 8% Total	Cum 12.80 62.20 75.00 6.00 **81.00**	Qty vide Item No.01 + 04				**934.80**	**81.00**	**75719.00**
								4608.00
17	Miscelleneous & Rounding off							1800000.00
							Toatl Rs.	

(Rupees Eighteen Lakhs only)

CERTIFICATE:

1 The work spot has been inspected me and the work is found to be necessary.
2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2011-2012.
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Assistant Engineer
Ward No. 07

Assistant Executive Engineer
Kodigehalli Sub Division

Executive Engineer
Byatarayanapura Division
BBMP

ADMINISTRATIVELY SANCTIONED FOR Rs. 18,00,000.00

Rupees Eighteen Lakhs Only

Under P1771 POW 11-12

Registered as EE (Y) No. 12-0

Subject to conditions contained in enclosed memo EE (Y) No. 196 /12-

Dt. 14/05/12 Estimate A/Sanctioned

Jc/Yel/AA/12-13 No. 196

dated 14/05/12 Rs. 18,00,000

Joint Commissioner
(Byatarayanapura)

14/5/12

Technical Sanction for Rs. 18,00,000=00/ Eighteen lakhs only

under P-1771 POW 11-12

registered as EE No: 91 /15-5-12 Subject to conditions contained enclosed memo.

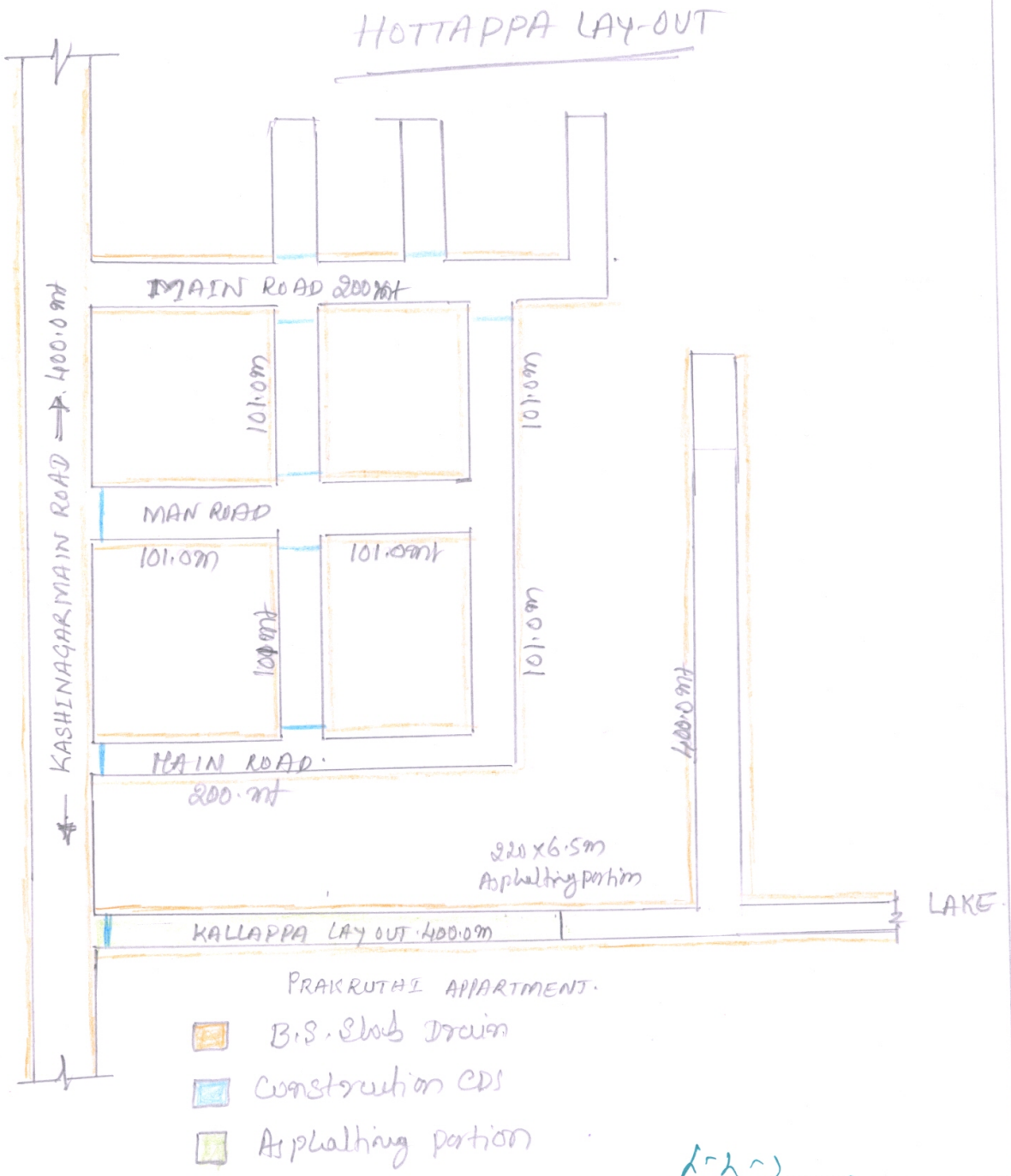
No: 91 /12-13 / Dt. 15-5-12

AE/JE

EE (BTP. DIV.)

Name of Works: Improvements of Roads drains and Culverts in Main Roads and culverts and cross Roads in Hottappa lay out. in ward No 7.

NOT-TO-Scale



JE

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.